

20001

65		70		75		80									
Arg	His	Leu	Met	Arg	Leu	Trp	Leu	Ala	Thr	Pro	Glu	Asp	Ala	Gly	Gly
			85						90					95	
Trp	Trp	Leu	Leu	Ile	Ser	Pro	Ala	Trp	Lys	Lys	Cys	Ile			
			100					105							

<210> 44255

<211> 65

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (33), (35), (38), (48)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44255

Asn	Leu	Tyr	Leu	Phe	Phe	Ser	Ser	Lys	Met	Arg	Gly	Lys	Leu	His	Ile
1				5					10					15	
Val	Pro	Ser	Met	Glu	Tyr	Asn	Pro	Ser	Asn	Glu	Thr	Arg	Ile	Phe	Phe
			20					25					30		
Xaa	Gly	Xaa	Trp	Val	Xaa	Gly	Leu	Ala	Cys	Lys	Ile	Ala	Ser	Arg	Xaa
		35				40					45				
Ser	Leu	Ser	Lys	Phe	Ala	Ile	Leu	Val	Trp	Gly	Lys	Glu	Leu	Asp	Gly
	50					55					60				
Asn															
65															

<210> 44256

<211> 284

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (18), (28), (31), (32), (273), (277), (278)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44256

Leu	Pro	Ser	Ser	Ser	Phe	Pro	His	Thr	Asn	Met	Ala	Asn	Leu	Glu	Arg
1				5					10					15	
Glu	Xaa	Arg	Glu	Ala	Ile	Leu	Gln	Ala	Asn	Pro	Xaa	Thr	His	Xaa	Xaa
			20					25					30		
Trp	Lys	Lys	Ile	Leu	Val	Ser	Phe	Glu	Gly	Leu	Tyr	Ser	Met	Glu	Gly
		35				40					45				
Thr	Met	Cys	Asn	Leu	Pro	Arg	Ile	Leu	Glu	Leu	Lys	Lys	Arg	Tyr	Lys
	50				55						60				
Phe	Tyr	Phe	Phe	Val	Asp	Glu	Ala	His	Ser	Ile	Gly	Ala	Ile	Gly	Leu
65				70					75					80	
Arg	Gly	Arg	Gly	Val	Cys	Asp	Phe	Phe	Lys	Val	Asp	Pro	Ala	Glu	Val
				85				90						95	
Asp	Ile	Phe	Met	Gly	Thr	Phe	Thr	Lys	Ser	Phe	Gly	Ala	Asn	Gly	Gly
			100					105					110		
Tyr	Ile	Ala	Ala	Asp	Lys	Ala	Leu	Ile	Lys	Lys	Leu	Arg	Ala	Thr	Asn
		115					120					125			
Ala	Gly	Gln	Val	Phe	Gly	Glu	Ala	Pro	Ala	Pro	Ala	Val	Leu	Ala	Gln

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	130					135					140					
Ile	Ser	Ser	Ser	Leu	Arg	Leu	Ile	Ala	Asp	Glu	Asp	Pro	Gln	His	Pro	
145					150					155					160	
Gly	Gln	Gly	Leu	Glu	Arg	Val	Gln	Arg	Leu	Gly	Phe	Asn	Ser	Arg	Tyr	
				165					170					175		
Leu	Arg	Leu	Gly	Leu	Lys	Arg	Leu	Gly	Phe	Ile	Val	Tyr	Gly	His	Asp	
			180					185					190			
Asp	Ser	Pro	Ile	Val	Pro	Leu	Met	Leu	Tyr	Asn	Pro	Ala	Lys	Met	Pro	
		195					200					205				
Ala	Phe	Ser	His	Glu	Met	Leu	Arg	Arg	Lys	Ile	Ser	Val	Val	Val	Val	
	210					215					220					
Thr	Tyr	Pro	Ala	Thr	Pro	Leu	Glu	Leu	Ser	Arg	Ala	Arg	Leu	Cys	Val	
225					230					235					240	
Ser	Ala	Ala	His	Thr	Lys	Asp	Asp	Leu	Asp	His	Ile	Leu	Arg	Val	Cys	
				245					250					255		
Asp	Glu	Ile	Gly	Asn	Thr	Leu	Gly	Leu	Thr	Tyr	Ser	Thr	Gly	Gly	Cys	
			260					265					270			
Xaa	Thr	Arg	Pro	Xaa	Xaa	Ala	Arg	Asn	Gly	Arg	Gly					
		275					280									

<211> 238

<212> PRT

<213> A.fumigatus

<400> 44257

Leu	Pro	Val	Gly	Tyr	Thr	Thr	Val	Ala	Leu	Ser	Gln	Thr	Ile	Ser	Gly
1				5					10					15	
Lys	Leu	Pro	Ser	Asn	Leu	Ala	Pro	Pro	Pro	Ala	Pro	Thr	Asn	Ala	Pro
			20					25					30		
Lys	Asn	Leu	Lys	Leu	Leu	Ser	Arg	Val	Asn	Leu	Met	Leu	Ser	Asp	Pro
		35					40					45			
Ala	Gln	Asn	Gln	Arg	Leu	Ala	Ser	Leu	Ala	Gln	Val	Tyr	Asp	Leu	Val
	50					55					60				
Ala	Leu	Arg	Pro	Thr	Asn	Glu	Lys	Ala	Leu	Leu	Asn	Ala	Cys	Thr	Asn
65				70						75				80	
Leu	Glu	Cys	Asp	Leu	Ile	Ser	Leu	Asp	Leu	Ser	Val	Arg	Leu	Pro	Phe
			85					90					95		
Tyr	Phe	Lys	Phe	Lys	Met	Leu	Ser	Ala	Ala	Ile	Glu	Arg	Gly	Val	Arg
			100					105					110		
Leu	Glu	Ile	Cys	Tyr	Gly	Pro	Gly	Val	Thr	Gly	Ser	Gly	Leu	Glu	Ala
		115					120					125			
Arg	Arg	Asn	Leu	Ile	Gly	Asn	Ala	Met	Ser	Leu	Ile	Arg	Ala	Thr	Arg
	130					135					140				
Gly	Arg	Gly	Ile	Val	Val	Ser	Ser	Glu	Ala	Lys	Arg	Ala	Leu	Gly	Val
145				150						155				160	
Arg	Ala	Pro	Trp	Asp	Val	Ile	Asn	Leu	Thr	Cys	Val	Trp	Gly	Leu	Ser
			165					170					175		
Gln	Glu	Leu	Gly	Lys	Glu	Ala	Ile	Ser	Glu	Glu	Ala	Arg	Lys	Val	Thr
			180					185					190		
Ala	Leu	Ala	Lys	Leu	Lys	Arg	Thr	Ser	Trp	Arg	Gly	Val	Ile	Asp	Ile
	195					200					205				
Val	Asp	Gly	Gly	Gln	Met	Ser	Lys	Ser	Gln	Val	Met	Glu	Ser	Gly	Met
	210					215					220				
Gly	Gln	Lys	Gly	Met	Ser	Lys	Lys	Asn	Ser	Arg	Arg	Val	Arg		
225				230						235					

20003

<210> 44258

<211> 208

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (155),(182),(190)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44258

```

Arg Pro Glu Lys Ser Trp Pro Thr Ser Ile Leu Phe Ile Asp Lys Leu
1          5          10          15
Arg Pro Tyr Val Lys Ser Met Ala Leu Arg Tyr Val Leu Val Gly Leu
20        25        30
Lys Gln Asn His Thr Leu Gln Leu Trp Asp Ile Gly Leu Gly Lys Ala
35        40        45
Val Gln Glu Leu Lys Phe Pro His Glu Asn Glu Ser Asp Ala Ile Cys
50        55        60
Ser Val Ala Tyr His Ala Ala Ser Gly Ile Ile Val Val Gly His Pro
65        70        75        80
Thr Arg Asn Ser Ile Tyr Phe Val His Leu Ser Ala Pro Arg Tyr Asn
85        90        95
Leu Gln Pro Met Ser Gln Ala Ser Phe Ile Lys Arg Ser Gly Glu Lys
100       105       110
Asp Ser Ser Leu Pro Lys Pro Glu Ser Thr Ala Cys Met Ser Gly Ile
115       120       125
Arg Glu Ile Ser Phe Ala Ser Lys Gly Gln Leu Arg Ser Leu Asp Leu
130       135       140
Leu Pro Ala Ile Lys Ala Pro Gly Asp Ser Xaa Glu Asn Ser Ala Leu
145       150       155       160
Phe Glu Leu Tyr Val Met His Ser Arg Gly Val Thr Cys Leu Thr Ile
165       170       175
Lys Lys Glu Asp Leu Xaa Trp Gly Val Asp Asn Lys Asn Xaa Arg Pro
180       185       190
Val Asn Ala Leu Glu Glu Gly Tyr Ile Glu Ile Ser Glu Leu Gln Ala
195       200       205

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<210> 44259

<211> 72

<212> PRT

<213> A.fumigatus

<400> 44259

```

Arg Pro Ser Pro Val His Ser Pro Ser Leu Thr Ala Ser Lys Trp Trp
1          5          10          15
Ile Gly Ser Leu Gly Arg Ser Ala Tyr His Ala Val Val Met Ala Gln
20        25        30
Leu Phe Ile Ala Gly Lys Asn Tyr Gly Pro His Pro Phe Ile Val Gln
35        40        45
Ile Arg Asp Leu Glu Thr His Gln Pro Leu Glu Asn Ile Tyr Val Gly
50        55        60
Asp Ile Gly Pro Lys Phe Gly Tyr
65        70

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20004

<210> 44260
<211> 74
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (11), (12), (13)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44260
Ile Pro Phe Leu Glu Ala Arg Pro Val Gln Xaa Xaa Xaa Gly Asn Gly
1 5 10 15
Met Cys Lys Ser Ala Ile Gln Lys Arg Ile Ser Val Arg Gly Ser Asn
20 25 30
Gly Glu Lys Asp His Phe Arg Tyr Leu Ser Val Pro Asp Ser Glu Leu
35 40 45
Ile Glu Tyr Ala Gln Gly Leu Leu Leu Ser Gly Tyr Leu Glu Glu Ala
50 55 60
Phe Met Tyr Val Ile Glu Trp Glu Trp Lys
65 70

<210> 44261
<211> 218
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (200)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44261
Phe Gly Val Glu Met Gly Gly Thr Thr Ala Val Phe Lys Ala Leu Trp
1 5 10 15
Lys Thr Leu Trp Gln Tyr Phe Ala Gly Ile Gly Ile Pro Gly Trp Gln
20 25 30
Leu Ile Arg Gln Asp Tyr Asn Leu Asn Phe Glu Thr Tyr Val Pro His
35 40 45
Ser Ile Asn Trp Ala Trp Gly Ser Met Val Pro Glu Tyr Asp Ala Val
50 55 60
Ala Arg Lys Ala Ile Glu Leu Ile Ala Pro Ile Pro Leu Glu Gly Ser
65 70 75 80
Val Pro Asp Ala Thr Val Arg Glu Val Ile Glu Phe Ser Asn Ser Val
85 90 95
Lys Arg Val Ala Val Asp Ser Asn Arg Phe Asn Phe Arg Trp Asp Gly
100 105 110
Leu Leu Arg Tyr Tyr Asp Ile Phe Leu Asn Tyr Asp Glu Lys Lys Asn
115 120 125
Trp Lys Asp Val Phe Ser Arg Gln Cys Lys Gly Cys Gly Ala Trp Leu
130 135 140
Val Cys Arg Pro Asp Trp Arg Lys Cys Tyr Ser Cys Gly Lys Glu Arg
145 150 155 160
Thr Glu Glu Glu Ala Ala Ile Ala Trp Asn Pro Pro Leu Ala Val Asp
165 170 175
Glu Val Lys Ala Leu Val Arg Ala Ser Asp Ala Lys Pro Ala Ser Arg

20005

	180		185		190
Ala	Ala	Lys	Glu	Arg	Ala
	195		200		205
Val	Val	Ser	His	Ala	Val
	210		215		

<210> 44262
 <211> 133
 <212> PRT
 <213> A.fumigatus

<400> 44262

Arg	Trp	Ile	Ser	Thr	Ala	Gly	Glu	Tyr	Ala	Arg	Phe	His	Asp	Arg	Glu
1				5					10					15	
Gly	Asp	Lys	Lys	Thr	Asn	Arg	Gln	Thr	Leu	Pro	Val	Ile	Val	Gly	Pro
		20					25						30		
Arg	Trp	His	Gly	Ala	Leu	Arg	Trp	Ala	Thr	Ala	Leu	Leu	Val	Met	Gly
		35					40					45			
Thr	Gly	Ile	Met	Pro	Leu	Cys	Ile	Thr	Gly	Lys	Leu	Val	Trp	Asn	Gly
	50					55					60				
Gln	Asp	Thr	Gly	Phe	Arg	Asn	Lys	Arg	Trp	Ile	Tyr	Thr	Gly	Thr	Val
65					70					75					80
Ile	Thr	Ala	Ile	Leu	His	Val	Val	Phe	Ala	Ser	Leu	Ser	Gly	Leu	Arg
				85				90						95	
Cys	Ala	Phe	Ser	Trp	Gly	Glu	Ala	Ala	Tyr	Asp	Arg	Gln	Thr	Tyr	Lys
			100					105					110		
Arg	Phe	Tyr	Met	Leu	Ala	Ala	Tyr	Thr	Met	Val	Cys	Tyr	Leu	Ser	Phe
		115					120					125			
Ala	Tyr	Leu	Thr	Ala											

<210> 44263
 <211> 153
 <212> PRT
 <213> A.fumigatus

<400> 44263

Val	His	Val	Ala	Gln	Cys	Cys	Thr	Leu	Phe	Leu	Ser	Leu	Asn	Val	His
1				5					10					15	
Glu	Gly	His	Pro	Lys	Ser	Met	Thr	Lys	Val	Ile	Ile	Ala	Gly	Val	Thr
			20					25					30		
Gly	Phe	Val	Gly	Gln	Glu	Val	Leu	Ser	Gln	Cys	Leu	Ala	His	Pro	Ser
		35					40					45			
Ile	Thr	Ser	Ile	Val	Ala	Leu	Cys	Arg	Arg	Glu	Leu	Pro	Thr	Thr	His
	50					55					60				
Pro	Lys	Leu	His	Val	His	Gly	Thr	Gln	Glu	Arg	Asp	Phe	Leu	Ser	Tyr
65					70					75					80
Ser	Asp	Pro	Gln	Leu	Thr	Ala	Ser	Leu	Arg	Gly	Ala	Gly	Ser	Cys	Ile
			85					90						95	
Trp	Thr	Pro	Gly	Ile	Thr	Pro	Ser	Arg	Ala	Ser	Asp	Glu	Gln	Thr	Leu
			100					105					110		
Arg	Pro	Val	Thr	Leu	Glu	Leu	Tyr	Ser	Gln	Ala	Ala	Lys	Gly	Phe	Gln
		115					120					125			
Gln	Cys	Leu	Tyr	Cys	Phe	Gln	Met	Lys	Ala	Asn	Lys	Glu	Ala	Leu	Pro
	130						135					140			
Gly	Ser	Lys	Phe	Pro	Phe	Gly	Val	Cys							

145

150

<210> 44264

<211> 202

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (5), (6), (8), (21)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44264

Arg	Thr	Val	Phe	Xaa	Xaa	Ala	Xaa	Asp	Ser	Phe	Val	Ser	Gly	Val	Val
1				5					10					15	
Pro	Gly	Gly	Phe	Xaa	Thr	Ala	Ser	Thr	Tyr	Pro	Leu	Asp	Leu	Leu	Arg
			20					25					30		
Thr	Arg	Phe	Ala	Ala	Gln	Gly	Thr	Glu	Arg	Ile	Tyr	Thr	Ser	Leu	Leu
		35					40					45			
Ala	Ser	Val	Arg	Asn	Ile	Ala	Arg	Ser	Glu	Gly	Pro	Ala	Gly	Phe	Phe
		50				55					60				
Arg	Gly	Cys	Ser	Ala	Ala	Val	Gly	Gln	Ile	Val	Pro	Tyr	Met	Gly	Leu
65					70				75						80
Phe	Phe	Ala	Thr	Tyr	Glu	Ser	Leu	Arg	Pro	Val	Leu	Ser	Gly	Leu	Glu
				85					90					95	
Asn	Met	Pro	Phe	Gly	Ser	Gly	Asp	Ala	Ala	Ala	Gly	Val	Ile	Ala	Ser
			100					105					110		
Val	Leu	Ala	Lys	Ser	Gly	Val	Phe	Pro	Leu	Asp	Leu	Val	Arg	Lys	Arg
		115					120					125			
Leu	Gln	Val	Gln	Gly	Pro	Thr	Arg	Thr	Leu	Tyr	Val	His	Arg	Asn	Ile
	130					135					140				
Pro	Glu	Tyr	Arg	Gly	Val	Phe	Ser	Thr	Ile	Ala	Met	Ile	Val	Arg	Thr
145					150					155					160
Gln	Gly	Val	Arg	Gly	Leu	Tyr	Arg	Gly	Leu	Thr	Val	Ser	Leu	Ile	Lys
				165					170					175	
Ala	Ala	Pro	Ala	Ser	Ala	Ile	Thr	Met	Trp	Thr	Tyr	Glu	Arg	Ser	Leu
			180					185					190		
Lys	Leu	Leu	Arg	Asp	Phe	Arg	Val	Ala	Glu						
	195						200								

<210> 44265

<211> 82

<212> PRT

<213> A.fumigatus

<400> 44265

Leu	Ile	Thr	Lys	Asp	Cys	Cys	Ala	Thr	Val	Gly	Met	Ala	Ala	Asn	Arg
1				5					10					15	
Asn	His	Gln	Tyr	Arg	Gln	Leu	Gly	Lys	Ala	Gly	Arg	Ala	Arg	Trp	Leu
		20						25					30		
Asn	Ile	Gly	Pro	Thr	Val	Arg	Gly	Val	Ala	Met	Asp	Ala	Ala	Asp	His
		35					40					45			
Pro	His	Gly	Gly	Gly	Arg	Gly	Lys	Ser	Lys	Gly	Asn	Val	Asp	Pro	Lys
	50					55					60				
Ser	Pro	Trp	Gly	Leu	Pro	Val	Cys	Thr	Cys	Val	Ile	Ala	Gly	Leu	Asn
65					70					75					80

20007

Ala Leu

<210> 44266
<211> 96
<212> PRT
<213> A.fumigatus

<400> 44266
His Val Leu Leu Leu Phe Ser Ser Ser Leu Tyr Ser Ser Ile Leu Met
1 5 10 15
Phe Lys Cys Gly Gly Trp Val Leu Arg Ser His Cys Ile Ile Phe Cys
20 25 30
Leu Asp Ser Gly Ala Arg His Ala Val Phe Asp Ile Leu Gln Thr Ser
35 40 45
Cys Asp Tyr Tyr Leu Ala Val Met Asp Asp Arg Leu Tyr Phe His Thr
50 55 60
Phe Ala Met Ala Ile Thr Phe Met Arg Ser Lys Tyr Thr Glu Phe Thr
65 70 75 80
Gly Glu Lys Asp Leu Phe Val Tyr Thr Pro Gly Trp Thr Ile Arg Arg
85 90 95

<210> 44267
<211> 139
<212> PRT
<213> A.fumigatus

<400> 44267
Val Ile Ala Asp Gln Phe Leu Ser Leu Val Leu Ala Asp Ile Ser Arg
1 5 10 15
Ser Thr Gly Leu Pro Asn Phe Arg Phe Lys Leu Pro Ser Arg Asn Trp
20 25 30
Met Ile Phe Phe Thr Ile Thr Gly Ser Leu Thr Ala Ala Ile Val Tyr
35 40 45
Asp Arg Arg Glu Arg Arg Arg Val Gln Gln Lys Trp Cys Asp Leu Val
50 55 60
Ala His Leu Ser Lys Glu Thr Leu Pro Ile Glu Gln Thr Arg Arg Lys
65 70 75 80
Leu Thr Ile Phe Leu Ser Ala Pro Pro Gly Asp Gly Leu Arg Ile Ala
85 90 95
Arg Glu His Phe Lys Glu Tyr Val Lys Pro Ile Leu Val Ala Ala Ala
100 105 110
Leu Asp Tyr Thr Val Ile Glu Gly Arg Arg Glu Gly Asp Val Arg Ala
115 120 125
Ala Leu Val Phe Thr Thr Ala Glu Asn Pro Pro
130 135

<210> 44268
<211> 279
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (7), (9)
<223> Identity of amino acid sequences at the above locations are unknown.

20008

<400> 44268

```

Ala Trp Ile Trp Pro Arg Xaa Asp Xaa Ile Tyr Asn Gly Pro Glu Arg
1      5      10      15
Ser Cys Arg Ala Tyr Asp Arg Asp Leu Val Ser Val Ala Lys Lys Arg
      20      25      30
Gly Phe Ser Tyr Leu Asp Asp Arg Lys Gly Phe Asp Ser Leu Asn Gly
      35      40      45
Gly Ser Glu Ala Lys Leu Pro Leu Leu Gly Leu Phe Ala Glu Lys Asp
      50      55      60
Ile Pro Phe Glu Ile Asp Arg Arg Asn Gln Asn Asp Val Tyr Pro Ser
65      70      75      80
Leu Glu Glu Met Ala Arg Thr Ala Leu Lys Ile Leu Ser Asp Ala Thr
      85      90      95
Ala Asp Ser Glu Gln Gly Phe Phe Leu Met Ile Glu Gly Ser Arg Ile
      100     105     110
Asp His Ala Gly His Gly Asn Asp Pro Ala Ala Gln Val His Glu Val
      115     120     125
Ile Ala Tyr Asp Lys Ala Phe Ala Ala Val Leu Asp Phe Leu Gly Lys
      130     135     140
Asp Ser Thr Pro Gly Val Val Val Ser Thr Ser Asp His Glu Thr Gly
145     150     155     160
Gly Leu Ala Ala Ala Arg Gln Leu His Thr Ser Tyr Pro Glu Tyr Lys
      165     170     175
Trp Leu Pro Gly Val Leu Ala Asn Ala Ser His Ser Thr Glu Tyr Ile
      180     185     190
Asp Asn Lys Leu Arg Glu Phe Leu Ser Thr Glu Thr Glu Lys Asn Lys
      195     200     205
Gln Gln His Tyr Val Arg Glu Leu Leu Glu Lys Gly Leu Ser Ile Thr
      210     215     220
Asp Ala Thr Asp Glu Glu Ile Asp Ser Ile Leu Asp Pro Asn Ser Pro
225     230     235     240
Val Ser Ser Gln Tyr Gln Leu Ala Asp Leu Ile Ile Pro Lys Ala Gln
      245     250     255
Ile Gly Trp Ser Thr His Gly Pro Ser Gly Lys Phe Gln Ala Leu Tyr
      260     265     270
His Gly Pro Met Glu Ile Arg
      275

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<210> 44269

<211> 114

<212> PRT

<213> A.fumigatus

<400> 44269

```

Tyr Arg Leu Arg Leu Gly Glu Trp Gly Phe Trp Cys Leu Gly Val Gln
1      5      10      15
His Arg Leu Val Thr Leu Ile Thr Leu Phe Ala Leu Val Pro Leu Leu
      20      25      30
Leu Phe Ile Val Leu Ala Ala Leu Ile Tyr Arg Gln Ala Gly Arg Val
      35      40      45
Trp Ile Gly Phe Ser Gln Pro Gly Ile Cys Gly Ala Phe His Arg Thr
      50      55      60
Gly Ala Arg Thr Val Asn Lys Arg Ser Ile Ser Pro Ile Ser Trp Arg
65      70      75      80
Glu His Asp Leu Leu Pro Ala Ser Leu Pro Lys Thr Leu Gly Leu Ala

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20009

85 90 95
 Leu Gly Arg Arg Trp Ala Cys Phe His Thr Arg Arg Leu Glu Gly Pro
 100 105 110
 Thr Met

<210> 44270

<211> 137

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (10)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44270

Ile Phe Gly Pro Ser Gly Gly Leu Leu Xaa Ser Arg Ser Ser Leu Cys
 1 5 10 15
 Pro Lys Leu Gly Thr Trp Thr Ser Arg His Gly Arg Val Val Ile Val
 20 25 30
 Gly Asp Ala Ala His Ala Ile Pro Pro Ala Ala Gly Gln Gly Val Asn
 35 40 45
 Gln Ala Phe Glu Asp Val Phe Thr Tyr Ser Leu Met Leu Gly Arg Ser
 50 55 60
 Asp Lys Asp Ala Leu Ala Arg Ser Leu Lys Val Trp Gln Thr Arg Arg
 65 70 75 80
 Gln Glu Arg Ile Asp Lys Val Leu Ala Leu Asn Thr Tyr Met Glu Arg
 85 90 95
 Arg Arg Val Pro Ser Leu Glu Glu Glu Lys Asp Ala Glu Asp Ala Pro
 100 105 110
 Leu Asp Phe Ala Ser Leu Tyr Lys Pro Asp Phe Val Glu Ile Val Asp
 115 120 125
 Thr Trp Leu Ser Lys His Thr Ser Cys
 130 135

<210> 44271

<211> 67

<212> PRT

<213> A.fumigatus

<400> 44271

Ile Ile Thr His Ile Thr Trp Tyr Arg Gln Ser Leu Val Gly Ser Arg
 1 5 10 15
 Pro Ser Gly Lys Ala Trp Gly Leu Pro Ala Ser Arg Leu Pro Ile Thr
 20 25 30
 Thr Thr Glu Cys Ala Arg Ser Val Tyr Ile Ala His Lys Cys Ser Ser
 35 40 45
 Glu Gly Ala Ile Arg Val Tyr Glu Leu Asp Glu Lys Thr Ser Ala Phe
 50 55 60
 Arg Gly Ser
 65

<210> 44272

<211> 103

<212> PRT

20010

<213> A.fumigatus

<400> 44272

```

Leu Ala Arg Leu Pro Gly Gly Val Asn Ile Val Gly Arg Asp Gln Ser
1          5          10          15
Ala Arg Asn Cys Gln Val Ala Pro His Lys Cys Glu Arg Ile Asn Leu
          20          25          30
Phe Ser Gly Lys Pro Cys Asn Ser Val Phe Ser Arg Pro Tyr Asp Phe
          35          40          45
Thr Arg His Gly Asp Thr Ile His Tyr Ala Arg Lys Gln Lys Val Arg
          50          55          60
Cys His Leu Cys Thr Glu Glu Lys Thr Phe Ser Arg Asn Asp Ala Leu
65          70          75          80
Thr Arg His Met Arg Val Val His Pro Glu Val Asp Trp Arg Gly Lys
          85          90          95
Gln Arg Arg Arg Gly Arg Asp
          100

```

<210> 44273

<211> 62

<212> PRT

<213> A.fumigatus

<400> 44273

```

Thr Asp His Glu Thr Cys His Val Ile Ser Val Tyr Ile His Pro Leu
1          5          10          15
Ser Thr Tyr Pro Asn Thr Asp Ser Pro Thr Asn Lys Leu Asn Asn Thr
          20          25          30
Ser Gln Asp Glu Pro Ala Phe Ala Ala Ser Gln Ile Ile Tyr Arg Gly
          35          40          45
Val Leu Arg Ile His His Ser Pro Val Phe Val Pro Met Pro
          50          55          60

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<210> 44274

<211> 225

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (7)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44274

```

Val Ala Gly Ser Phe Ser Xaa Pro Trp Arg Glu Lys Cys Asn Cys Arg
1          5          10          15
Ala Ser Arg Ser Phe Pro Phe Val Ser Lys Val Met Gly Val Asp Leu
          20          25          30
Ile Glu Met Ala Thr Lys Ala Met Ile Gly Lys Pro Phe Ala Glu Tyr
          35          40          45
Pro Pro Val Thr Ile Pro Lys Asn Tyr Val Gly Val Lys Val Pro Gln
          50          55          60
Phe Ser Phe Ser Arg Leu Ser Gly Ala Asp Pro Val Leu Gly Val Glu
65          70          75          80
Met Ala Ser Thr Gly Glu Val Ala Ser Phe Gly Arg Asp Lys Tyr Glu
          85          90          95

```

20011

Ala Tyr Leu Lys Ala Leu Ile Ser Thr Gly Phe Arg Leu Pro Lys Lys
 100 105 110
 Asn Val Leu Phe Ser Ile Gly Ser Tyr Lys Glu Lys Met Glu Met Leu
 115 120 125
 Pro Ser Ile Lys Lys Leu His Gln Leu Gly Phe Asn Leu Phe Ala Thr
 130 135 140
 Ser Gly Thr Ala Asp Phe Leu Lys Glu His Gly Val Pro Val Lys Tyr
 145 150 155 160
 Leu Glu Val Leu Pro Gly Gln Glu Asp Asp Leu Lys Ser Glu Ser Ser
 165 170 175
 Leu Thr Gln His Leu Ala Asn Asn Leu Ile Asp Leu Tyr Ile Asn Leu
 180 185 190
 Pro Ser Asn Asn Arg Phe Arg Arg Pro Ala Asn Tyr Met Ser Lys Ser
 195 200 205
 Tyr Arg Thr Arg Arg Met Ala Val Asp Tyr Gln Thr Leu Leu Gly Thr
 210 215 220
 Thr
 225

<210> 44275

<211> 187

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (3)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44275

Lys Pro Xaa Lys Arg Pro Asn Pro Arg Thr Gly Ala Asp Pro Pro Val
 1 5 10 15
 Val Val Arg Gly Ala Leu Tyr Ala Gly Gly Pro Ser Asp Ser Ser Ile
 20 25 30
 Tyr Gln Tyr Gly Gly Thr Val Ser Tyr Thr Asn Thr Ser Phe Pro Gly
 35 40 45
 Phe Gln Asn Pro Thr Ser Ser Glu Tyr Ala Leu Trp Ser Tyr Asn Thr
 50 55 60
 Ser Asn Gly Ser Trp Asp Gln Phe Asp Val Thr Leu Gly Ala Glu Tyr
 65 70 75 80
 Arg Pro Ala Gly Gly Ala Tyr Gly Glu Ala Pro Asp Gln Glu Leu Ala
 85 90 95
 Phe Tyr Leu Asn Gly Tyr Ile Asn Asn Gly Thr Ser Asn Asp Leu Glu
 100 105 110
 Asp Ser Asp Asp Leu Leu Arg Tyr Leu Asp Gly Leu Ile Val Ile Asp
 115 120 125
 Thr His Thr Gln Met Ala Thr Asn Ile Ser Thr Ser Ser Leu Ala Asn
 130 135 140
 Phe Pro Arg Val Arg Gly Gly Met Val Tyr Ile Pro Gly Ile Gly Pro
 145 150 155 160
 Lys Gly Ile Leu Val Ala Val Gly Gly Val Thr Lys Ser Ala Ser Asp
 165 170 175
 Gly Ser Ala Ser Asn Glu Gly Thr Tyr Val Gly
 180 185

<210> 44276

20012

<211> 187
<212> PRT
<213> A.fumigatus

<400> 44276

Tyr	Asp	Tyr	Ala	Arg	Met	Leu	Gly	Pro	Pro	Ser	Trp	Met	Lys	Thr	Asp
1				5					10					15	
Thr	Ala	Ser	Val	Pro	Met	Pro	His	Gly	Ala	Met	Ser	Leu	Gly	Gln	Ser
			20					25					30		
Gln	Thr	Glu	Pro	Arg	Thr	Met	Ser	Pro	Lys	Asp	Ala	Val	Leu	Asp	Phe
		35					40					45			
Asn	Glu	Thr	Glu	Asp	Ala	Ser	Met	Pro	Pro	Leu	Phe	Pro	Ser	Ser	Gln
	50					55					60				
Pro	Asp	Phe	Asn	Leu	Ser	Glu	Ala	Leu	Gly	Leu	Arg	Arg	Glu	Ser	Ser
65					70					75					80
Ser	Ser	Leu	Arg	Gln	Ala	Gln	Asn	Phe	Pro	Ser	Met	Asp	Ser	Phe	Ser
			85						90					95	
Ser	Gln	Phe	Asn	Thr	Gln	Thr	Ser	Ser	Leu	Ser	Gln	Gln	Tyr	Pro	Phe
			100					105					110		
Val	Gln	Gln	Gln	Gln	Asn	His	Arg	Gln	Pro	Gln	Leu	Gln	Gln	Gln	Gln
		115					120					125			
Asn	Asn	Leu	Leu	His	His	Thr	Pro	Glu	Phe	Pro	Ala	Ser	Leu	Pro	His
	130					135					140				
Leu	Asp	Ser	Thr	Gly	Ser	Glu	Val	Ile	Gln	Asn	Asp	Met	Thr	Ser	Ser
145					150					155					160
Gln	Ser	Asn	Met	Asn	Ile	Leu	Pro	Leu	Lys	Gly	Glu	Ile	Thr	Arg	Pro
				165					170					175	
Asp	Asn	Thr	Ser	Thr	Asp	Gly	Gly	Thr	Tyr	Thr					
			180					185							

<210> 44277
<211> 182
<212> PRT
<213> A.fumigatus

<400> 44277

Asn	Lys	Gly	Gly	Gly	Val	Ile	Gln	Val	Ser	Ala	Ser	Asp	Ala	Val	Ala
1				5					10					15	
Thr	Val	Met	Ile	Ala	Ala	Arg	Glu	Arg	Arg	Val	Arg	Glu	Gln	Ala	Leu
			20					25					30		
Ala	Glu	Gly	Leu	Lys	Asp	Gly	Thr	Val	Glu	Tyr	Glu	Asp	Arg	Val	Met
		35					40					45			
Glu	Leu	Arg	Pro	Arg	Leu	Val	Ala	Leu	Gly	Ser	Asn	Gln	Ala	His	Ser
	50					55					60				
Ser	Thr	Ala	Lys	Gly	Ala	Leu	Leu	Ala	Gly	Thr	Arg	Tyr	Arg	Ser	Val
65					70					75					80
Thr	Ala	Arg	Leu	Glu	Asp	Asn	Met	Glu	Met	Thr	Gly	Pro	Arg	Leu	Arg
			85						90					95	
Glu	Val	Leu	Glu	Gln	Cys	Asp	Lys	Asp	Gly	Leu	Thr	Pro	Tyr	Tyr	Ile
			100					105					110		
Thr	Leu	Gly	Met	Gly	Thr	Thr	Asn	Thr	Cys	Ala	Leu	Asp	Arg	Phe	Ala
		115					120					125			
Glu	Ile	Lys	Ala	Val	Leu	Lys	Glu	Lys	Pro	His	Trp	Gln	Arg	Ile	Trp
	130					135					140				
Val	His	Ile	Asp	Ala	Ala	Tyr	Ala	Gly	Ala	Ala	Leu	Val	Ala	Asp	Glu
145						150				155					160

20013

Trp Gln Tyr Ile Ala Lys Asp Phe Ala Glu Gly Ser Ser Pro Arg Gly
 165 170 175
 Trp Lys Val Thr Arg Ser
 180

<210> 44278
 <211> 117
 <212> PRT
 <213> A.fumigatus

<400> 44278
 Gly Gln Ser Tyr Ile Ser Tyr Leu Pro Tyr Ala Asn Lys Glu Ser Pro
 1 5 10 15
 Lys Ile Asn Ile Ile His Ala Gln Arg Ser Ile Gln His His Phe His
 20 25 30
 Ile Thr Asp Asn Asp Trp Thr Leu Asn Leu Ile Ser Pro Ile Tyr Pro
 35 40 45
 Ser Ala Ser Phe Ala Ile Leu Ile Val Pro Tyr Lys Asp Cys Cys Gln
 50 55 60
 Leu Cys Arg His Asp Ser Glu Arg Met Trp Ser Arg Leu Leu Leu Ala
 65 70 75 80
 Asn Pro Lys Gln Leu Leu Phe Tyr His Cys Cys Gly Lys Ile Tyr Gly
 85 90 95
 Thr Leu Asn Ile Leu Arg Val Ala His Thr Lys Leu Tyr Ser Glu Arg
 100 105 110
 Ile Asn Thr His Arg
 115

<210> 44279
 <211> 63
 <212> PRT
 <213> A.fumigatus

<400> 44279
 Thr Met Ile Ile Ala Arg Phe Phe Asn Gly Leu Ser Gly Ser Ala Phe
 1 5 10 15
 Leu Ser Val Ala Gly Gly Thr Val Gly Asp Leu Phe His Arg Gln Glu
 20 25 30
 Leu Ala Ala Leu Met Met Val Tyr Thr Ala Ser Pro Phe Leu Val Pro
 35 40 45
 Glu Ile Gly Leu Val Leu His Ala Arg Arg Trp Lys Pro Leu Gly
 50 55 60

<210> 44280
 <211> 95
 <212> PRT
 <213> A.fumigatus

<400> 44280
 Thr Arg Phe Leu Pro Ser Arg Leu Glu Asp Ala Ala Val Val Thr Val
 1 5 10 15
 Lys Pro Gly Gly Met Arg Glu Ile His Trp His Pro Thr Ser Asp Glu
 20 25 30
 Trp Ala Phe Phe Ile Arg Gly Gln Gly Arg Ala Thr Leu Phe Ser Ala
 35 40 45
 Pro Ser Thr Ala Thr Thr Phe Asp Tyr Arg Ala Gly Asp Val Gly Tyr

20014

50					55					60					
Phe	Pro	Lys	Ser	Asn	Ser	His	Tyr	Ile	Glu	Asn	Thr	Gly	Asp	Glu	Asp
65					70					75					80
Leu	Leu	Phe	Leu	Glu	Val	Leu	Gln	Ala	Asp	Lys	Phe	Thr	Gly	Ala	
				85					90					95	

<210> 44281

<211> 249

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (2), (20), (29), (30), (43), (46)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44281

Thr	Xaa	Pro	Phe	Pro	Gly	Arg	Arg	Pro	Val	Gln	Gly	Arg	Glu	Ser	Phe
1				5					10					15	
Leu	Ala	Leu	Xaa	Val	Arg	Met	Ala	Phe	Ser	Gln	Gly	Xaa	Xaa	Arg	Glu
			20					25					30		
Pro	Ser	Leu	Phe	Arg	Ser	Ser	His	Met	Asp	Xaa	Val	Gln	Xaa	Glu	Thr
		35					40					45			
Leu	Arg	Arg	Leu	Trp	His	Gln	Ile	Cys	His	Leu	Asp	Phe	Arg	Ser	Ala
	50					55					60				
Glu	Gly	Arg	Gly	Gln	Glu	Pro	Thr	Ile	Ala	Asp	Glu	Asp	Tyr	Thr	Thr
65					70					75					80
Leu	Leu	Pro	Arg	Asn	Ile	Asn	Asp	Glu	Asp	Leu	Ile	Glu	Gly	Ala	His
				85					90					95	
Pro	Thr	Ala	Glu	Thr	Tyr	Ser	Pro	Pro	Gly	Phe	Thr	Asp	Met	Thr	Gly
		100					105						110		
His	Leu	Ile	Arg	Leu	His	Gly	Ile	His	Cys	Phe	Arg	Arg	Ile	Val	Arg
	115					120						125			
Ser	Thr	Tyr	Arg	Leu	Glu	Arg	Arg	Ile	Lys	Ser	Ser	Val	Ala	Asn	Gly
	130					135					140				
Asn	Gly	Asn	Leu	Tyr	Pro	Ile	Ala	Glu	Leu	Gln	Ser	Leu	Phe	Val	Glu
145				150					155						160
Val	Arg	Thr	Met	Val	Asp	Glu	Met	Val	Asn	His	Leu	Gln	Thr	Gln	Tyr
			165					170						175	
Leu	Gln	Tyr	Cys	Asp	Pro	Gln	Ile	Pro	His	Gln	Arg	Met	Ala	Leu	Gly
		180						185					190		
Leu	Ala	Ala	Val	Ile	Glu	Trp	Arg	Cys	Trp	Ser	Ile	Phe	Trp	Leu	Arg
	195					200						205			
Thr	Pro	Lys	Gln	Tyr	Arg	Glu	Ala	Val	Val	Ser	Pro	Glu	Ile	Arg	Gln
	210				215						220				
Thr	Tyr	Val	Trp	Cys	Cys	His	Trp	Ser	Arg	Glu	Arg	Leu	Phe	Ser	Cys
225				230						235					240
Leu	Gly	Ala	Lys	Ala	Asn	Glu	Cys	Val							
				245											

<210> 44282

<211> 77

<212> PRT

<213> A.fumigatus

<220>

20015

<221> UNSURE

<222> (39),(48)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44282

```
Ala Ile Leu Ile Met Glu Asn Ile Glu Ser Pro His Ser Asp Thr Pro
1           5           10           15
Gln Ile Asn Ile Arg Thr Tyr Leu Val Ile Leu Ile Lys Lys Thr Ala
          20           25           30
Gly Ser His Ile Phe Ile Xaa Phe Ala His Leu Thr Leu Ala Asn Xaa
          35           40           45
Thr Pro His Ile Trp Gly Asp Phe Ile Leu Lys Gly Arg Thr Asp Ser
          50           55           60
Glu Ser Leu Ser Ala Ser Asp Met Leu Cys Val Leu Glu
65           70           75
```

<210> 44283

<211> 99

<212> PRT

<213> A.fumigatus

<400> 44283

```
Cys Phe Phe Leu Gln Cys His Met Arg Pro Pro Ile His Ala Phe His
1           5           10           15
Leu Leu Leu Leu Arg Ser Glu Val Gln Ala Ser Phe Pro Ile Glu Cys
          20           25           30
Gly Glu Met Thr Thr His Thr Leu Pro Lys Gln Arg Met Arg Leu Val
          35           40           45
Ala Asp Arg Ala Arg Thr Ala Gln Cys Met Trp Phe Gly Ile Ile Tyr
          50           55           60
Leu Ala Leu Phe Thr Pro His Ile Leu Cys Tyr Ser Trp Ala Thr Gly
65           70           75           80
Ala Glu Pro Leu Ala Ser Leu Gly Ser Asp Ser Thr Met Ala Phe Asp
          85           90           95
Gln Lys Pro
```

<210> 44284

<211> 157

<212> PRT

<213> A.fumigatus

<400> 44284

```
Ala Ala Gln Ser Lys Glu Leu Asn Tyr Ala Asp Ser Ile His Asp Leu
1           5           10           15
Ala Tyr Gly Asn Val Ala Ala Ser Ser Val Asp Ser Arg Gly Asp Val
          20           25           30
Trp Leu Asn Leu Thr Gly Phe Ala Val Asn Glu Leu Pro Tyr Ile Gln
          35           40           45
Glu Ala Val Gly Ile Thr Ser Leu Asp Asn Ala Arg Glu Leu Gln Val
          50           55           60
Ile Ala Gly Leu Val Ser Thr Ala Ala Ser Gln Gln Gln Trp Gly Asp
65           70           75           80
Val Val Phe Leu Tyr Asn Val Phe Ser Met Asn Ala His Pro Glu Phe
          85           90           95
Ala Arg Val Val Ser Pro Gln Met Gln Ala Gly Leu Leu Asp Ala Val
```

20016

	100		105		110										
Arg	Asp	Arg	Ala	Ser	Asn	Ala	Gly	Pro	Asp	Asp	Arg	Leu	Ile	Glu	Leu
	115		120		125										
Tyr	Ala	Ser	Thr	Ser	Ser	Ser	Pro	Ser	Leu	Val	Glu	Ala	Phe	Arg	Ala
	130		135		140										
Leu	Pro	Asp	Leu	His	Pro	Gly	Ala	Gly	Arg	Asn	Arg	Asn			
145			150		155										

<210> 44285

<211> 150

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (51)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44285

Arg	Ala	Gln	His	Pro	Ser	Ala	Cys	Arg	Ser	Ala	Ser	Leu	Ala	Ser	Arg
1			5					10					15		
Ala	His	Cys	Gly	Gln	Ala	His	Ala	Cys	Ser	Thr	Gly	Lys	Ala	Pro	Ala
		20					25					30			
Ser	Arg	Ser	Arg	Ala	His	Ser	Ala	Arg	Leu	Arg	Pro	Pro	Gln	Pro	Pro
	35					40					45				
Pro	Leu	Xaa	Arg	Ile	Leu	Ser	Val	His	Asp	Ser	Gln	His	Thr	Leu	Ser
	50				55				60						
Ser	Val	Phe	Ser	Ala	Ala	Leu	Ser	Thr	Gln	Gln	Ser	His	Ser	Pro	Gln
65				70					75					80	
Pro	His	Ser	Tyr	Pro	His	Phe	Pro	Thr	Thr	Pro	Ala	His	Ala	His	Arg
			85					90						95	
Asn	His	Thr	His	Pro	Asp	Asn	Thr	His	Thr	Glu	Pro	Ser	Ser	Ser	Gln
	100						105					110			
Ala	Thr	Arg	Lys	Cys	Ser	Arg	Ser	Tyr	Arg	Arg	Ile	Pro	Pro	Ala	Ile
	115					120					125				
Ser	Pro	Gln	Thr	Pro	Pro	Pro	His	Pro	His	Pro	Pro	Asp	Pro	Arg	Ala
	130				135						140				
Asp	Tyr	Pro	Pro	Ala	Ala										
145				150											

<210> 44286

<211> 222

<212> PRT

<213> A.fumigatus

<400> 44286

Gly	Arg	Thr	Gly	Ser	Lys	Gly	Gly	Arg	Val	Ser	Glu	Asn	Leu	Pro	Trp
1			5					10					15		
Leu	Asp	Trp	Met	Ala	Lys	Leu	Arg	Arg	Arg	Asp	Arg	Asn	Ser	Ser	Ala
	20						25					30			
Arg	Thr	His	Arg	Asn	Cys	Asn	Leu	Gln	Asn	Met	Gln	Gly	Pro	Val	Thr
	35					40					45				
Glu	Glu	Ile	Met	Phe	Arg	Ser	Ala	Ile	Val	Leu	Leu	His	Leu	Leu	Ala
	50					55				60					
Lys	Asp	Thr	Pro	Gly	His	Ile	Val	Phe	Val	Ala	Pro	Leu	Tyr	Phe	Gly
65				70					75					80	

20017

Ile	Ala	His	Val	His	His	Phe	Tyr	Glu	Phe	Arg	Leu	Thr	His	Pro	Asp
				85					90					95	
Thr	Ser	Ile	Phe	Ala	Ala	Leu	Phe	Arg	Ser	Val	Phe	Gln	Phe	Gly	Tyr
			100					105					110		
Thr	Thr	Ile	Phe	Gly	Trp	Tyr	Ala	Thr	Phe	Leu	Tyr	Leu	Arg	Thr	Gly
		115					120					125			
Ser	Leu	Leu	Ala	Val	Ile	Val	Ala	His	Ser	Phe	Cys	Asn	Trp	Cys	Gly
	130					135					140				
Leu	Pro	Arg	Leu	Trp	Gly	Arg	Val	Glu	Ala	Ser	Val	Pro	Ile	Gly	Pro
145					150					155					160
Pro	Val	Gly	Lys	Ala	Lys	Glu	Asp	Ala	Asp	Val	Lys	Asp	Ala	His	Ala
			165					170						175	
Ala	Tyr	Gly	Lys	Leu	Gly	Leu	Gly	Trp	Thr	Val	Gly	Tyr	Tyr	Val	Leu
		180					185					190			
Leu	Val	Ser	Gly	Ala	Ile	Ala	Phe	Tyr	Tyr	Ala	Leu	Trp	Pro	Leu	Ser
	195					200					205				
Asp	Ser	Pro	Asn	Ala	Leu	Asp	Thr	Phe	Thr	Gly	Gly	Ser	Lys		
	210					215					220				

<210> 44287

<211> 264

<212> PRT

<213> A.fumigatus

<220>

<221> UNSURE

<222> (3),(4),(5),(7),(8),(9),(12),(17),(263)

<223> Identity of amino acid sequences at the above locations are unknown.

<400> 44287

Ile	Glu	Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Tyr	Glu	Xaa	Leu	Leu	Ala	Thr
1				5					10					15	
Xaa	Gln	Asp	Pro	Ser	Pro	Ser	Lys	Ser	Gly	Ser	Pro	Arg	Thr	Arg	Asn
		20					25					30			
Lys	Pro	Ser	Gln	Ser	Gly	Ser	Arg	Ser	Ser	Gly	Ser	Val	Ala	Asp	Thr
		35				40						45			
Arg	Gly	Thr	Gln	Pro	Gly	Ser	Met	Asp	Met	Leu	Glu	Phe	Leu	Thr	Ser
	50				55						60				
Pro	Glu	Pro	Ala	Arg	His	Asp	Ala	Glu	Ala	Asn	Thr	Ala	Thr	Leu	Thr
65				70						75				80	
Ser	Thr	Ser	Ser	Pro	His	Ser	Ile	Thr	Phe	Phe	Asp	Phe	Val	Asn	Met
			85					90					95		
Asn	Asn	Pro	Pro	Ser	Met	Leu	Lys	Leu	Thr	Asn	Lys	Glu	Ser	Ile	Ala
		100					105					110			
Pro	Asn	Ala	Leu	Thr	Thr	Ile	Leu	Phe	Phe	Met	Trp	Gly	Val	Ala	Tyr
	115					120						125			
Gly	Leu	Leu	Asp	Ile	Leu	Asn	Thr	Gln	Phe	Gln	Gln	Ile	Val	Arg	Leu
	130				135					140					
Asp	Ser	Trp	Arg	Ser	Leu	Gly	Leu	His	Ala	Val	Tyr	Phe	Gly	Gly	Tyr
145				150					155						160
Leu	Val	Gly	Pro	Pro	Leu	Val	Gly	Arg	Thr	Val	Leu	Lys	Arg	Trp	Gly
			165					170						175	
Phe	Lys	Ser	Thr	Phe	Ile	Thr	Gly	Leu	Cys	Ile	Tyr	Ala	Cys	Gly	Thr
		180				185						190			
Leu	Val	Phe	Trp	Pro	Ser	Ala	Val	Leu	Thr	Ser	Tyr	Ser	Ala	Phe	Thr
	195					200						205			

20018

Ile Ser Asn Phe Ile Val Gly Phe Gly Leu Ala Val Leu Glu Thr Ala
 210 215 220
 Ala Asn Pro Phe Ile Ala Leu Cys Gly Pro Leu Glu Asn Ser Glu Ile
 225 230 235 240
 Arg Leu Asn Ile Ser Gln Gly Val Gln Ala Ile Gly Ser Val Val Ser
 245 250 255
 Pro Leu Leu Ala Lys Lys Xaa Trp
 260

<210> 44288
 <211> 107
 <212> PRT
 <213> A.fumigatus

<400> 44288
 Thr Asn Gly Thr Asn Ser Lys Trp Ala Thr Ala Val Asp Gly Leu Leu
 1 5 10 15
 Asn Asn Thr Leu Asp Ile Phe Phe Pro Ala Lys Tyr Gly Gly Asn Ile
 20 25 30
 Met Ser Glu Val Leu Cys Glu Pro Asn Glu Val Cys Asn Asp Asn Glu
 35 40 45
 Ile Leu Phe Lys Gly Leu Val Thr Ser Trp Leu Ala Phe Thr Ala Leu
 50 55 60
 Leu Val Pro Ser Thr Tyr Asp Arg Ile Leu Pro Lys Leu Gln Gly Ser
 65 70 75 80
 Ala Val Ala Ala Gly Ala Thr Cys Thr Gly Asn Gly Asn Asn Ser Cys
 85 90 95
 Gly Val Arg Trp Tyr Thr Ser Lys Trp Asp Gly
 100 105

<210> 44289
 <211> 65
 <212> PRT
 <213> A.fumigatus

<400> 44289
 Pro Leu Thr Tyr Thr Lys Ile Lys Ile Asn Asn Lys Thr Asn Asn Ser
 1 5 10 15
 Pro Pro Ile Phe Thr Lys His Asn His His Gln Thr Lys Asn Pro Asn
 20 25 30
 Tyr Ile Gln Gln Pro Asn Ile Ile His Pro Pro Thr Tyr Lys Tyr Ser
 35 40 45
 Ile Ile Thr Thr Thr Asn Lys Pro Ile Asn Phe Pro Phe Ser Ile Gln
 50 55 60
 Leu
 65

<210> 44290
 <211> 60
 <212> PRT
 <213> A.fumigatus

<400> 44290
 Gln Glu Lys Ser Tyr Pro Leu Asn Pro Ser Ile Ile Thr Pro Leu Lys
 1 5 10 15
 Thr Asn Ser Ser Lys Ile Lys Ser Ile Thr Pro Leu Lys Pro Gln Leu

[illegible]

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<210> 44291
<211> 175
<212> PRT
<213> A.fumigatus
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<210> 44292
<211> 134
<212> PRT
<213> A.fumigatus
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<400> 44292															
Glu	Gly	Pro	Val	Gly	Trp	Lys	Gly	Asn	Pro	Phe	Ile	Thr	Thr	Glu	Gly
1				5					10					15	
Gly	Ile	Lys	Gly	Gly	Val	Leu	Cys	Gly	Gly	Gly	Lys	Gly	Asp	Ser	Ser
			20					25					30		
Gly	Gly	Glu	Phe	Gly	Gly	Arg	Leu	Gly	Glu	Asn	Cys	Asn	Gln	Lys	Asp
		35					40					45			
Glu	Gly	Ala	Gly	Lys	Thr	Arg	Gly	Gly	Asn	Ser	Ser	Gly	Ser	Glu	Glu
	50					55					60				
Glu	Arg	Asn	Arg	Arg	Glu	Gly	Gly	Lys	Arg	Trp	Glu	Thr	His	Pro	Arg
65					70					75				80	
Gly	Arg	His	Ala	Asp	Ser	Arg	Asn	Gln	Trp	Arg	Cys	Gly	Asp	Ser	Arg
				85					90					95	
Arg	Ile	Cys	Ser	Phe	Leu	Gly	Gly	Lys	Lys	Phe	Leu	Leu	Trp	Ser	Ser
			100					105					110		
Arg	Arg	Glu	Ser	Phe	Gly	Pro	Lys	Ile	Ser	Leu	Val	Cys	Thr	Gly	Phe